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1 MSVDEICENTKMGREYALLGNYETSLVYYQGVLQQIQKLL 41 TSVHEPORKHOWOTIROELSQEYEHVKNITKTLNGFKSEP 81 **AAPEPAPNHRAAPFSHHQHA**AKPAAAEPARDPDVWPPPTP 121 VDHRPSPPYQRAARKDPPRRSEPSKPANRAPGNDRGGRGP 161 SDRRGDARSGGGGRGGARGSDKDKNRGGKSDKDKKAPSGE 201 EGDEKKFDPAGYDKDLVENLERDIVQRNPNVHWADIAGLT <u>EAKRLLEEAVVLPLWMPDYFKGIRRPWKGVLMVGPPGTGK</u> 241 281 **M**MLAKAVATECGTTFFNVSSASLTSKYHGESEKLVRLLFE 321 MARFYAPSTIFIDEIDSICSKRGTGSEHEASRRVKSELLI 361 QMDGVSGPSAGEESSKMVMVLAATNFPWDIDEALRRRLEK RIYIPLPEIDGREQLLRINLKEVPLADDIDLKSIAEKMDG 401 441 YSGADITNVCRDASMMAMRRRIQGLRPEEIRHIPKEELNQ 481 **PSTPADFLLALQKVSKSVGKEDLVKYMAWMEEFGSV**

FIG. 1A

```
VHWADIAGLTEAKRLLEEAVVLPLWMPDYEKGIRRPW.KGVLMVGPPGTG
MSLDDIIGMHDVKQVLHEAVTLPLLVPEFEOGLRSPW.KAMVLAGPPGTG
STYDMVGGLTKOIKEIKEVIELPVKHPELEESLGIAOPKGVILYGPPGTG
TTFADVAGCDEAKEEVAELVEY.LREPSREOKLGGKIPKGVLMVGPPGTG
IKWGDIGALANAKDVLLETLEWPTKYEPIEVNCPLRLRSGILLYGYPGCG
EKMGIGGLDDEFSDIFRRAFASRVFPPEIVEQMGCKHVKGILLYGPPGCG
p60
                        190
mei-l
Suglp
                        145
                        149
ftsH
Paslp
                        694
NSF
                                      KTMLAKAVATECGTTEFN. VSSASLTSKYHGESEKLVRILFEMARFYAP.
KTLIARAIASESSSTEFT. VSSTDLSSKWRGDSEKIVRILFELARFYAP.
KTLLARAVAHHTDCKFIR. VSGAELVOKYIGEGSRMVRELFVMAREHAP.
KTLLAKAIAGEAKVPEFT. ISGSDFVEMFVGVGASRVRDMFEOAKKAAP.
KTLLASAVAOOCGLNEIS. VKGPEILNKFIGASEONIRELFERAOSVKP.
KTLLARQIGKMLNAREPKVVNGPEILNKYMGESEÄNIRKLFADAEEEORR
                        280
239
p60
mei−1
Sug1p
                        195
                        198
ftšH
                        744
274
Paslp
NSF
                                      ....STIFIDEIDSICSKR..GTGSEHEASRRVKSELLIOMDGVSGP
....SIIFIDEIDTLGGOR..GNSGEHEASRRVKSEFLVOMDG....
....SIIFMDEIDSIGSTRVEGSGGGDSEVORTMLELLNOLDGFET.
....CIIFIDEIDAVGRORGAGLGGHDEREOTLNOMLVEMDGFEG.
....CILFFDEFDSIAPKRGH...DSTGVTDRVVNOLLTOMDGAEGL
LGANSGLHITIFDEIDAICKORGS.MAGSTGVHDTVVNOLLSKIDGVEQL
                        328
p60
                        287
mei-1
                        243
246
792
Suglp
ftsH
Pas1p
NSF
                                      SAGEESSKMVMVLAATNFPWDIDEALRR..RLEKRIYIPLPEIDGREOLL
SONKFDSRRVFVLAATNIPWELDEALRR..RFEKRIFIPLPDIDARKKLI
...SKNIKIIMATNRLDILDPALLRPGRIDRKIEFPPPSVAARAEIL
...NEGIIVIAATNRPDVLDPALLRPGRFDROVVVGLPDVRGREOIL
D....GVYILAATSRPDLIDSALLRPGRLDKŠVICNIPTESERLDIL
N...NIIVIGMTNRPDLIDEALLRPGRLEVKMEIGLPDEKGRLOIL
p60
mei-l
                        285
288
Suglp
 ftsH
Paslp
                         373
NSF
                                    RINL.....KEVPLADDIDLKSIAEKMDGYSGADIT
EKSM....EGTPKSDEINYDDLAARTEGFSGADVV
RIHS....RKMNLTRGINLRKVAEKMNGCSGADVK
KVHM....RRVPLAPDIDAAIIARGTPGFSGADLA
QAIVNSKDKDTGQKKFALEKNADLKLIAEKTAGFSGADLQ
HI..HTARMRGHQ..LLSADVDIKELAVETKNFSGAELE
 p60
                         372
mei−1
                        329
332
875
416
 Sug1p
 ftšH
 Paslp
```

FIG. 1B

1 MATKRAWKLOELVAHSSNVNCLALGPMSGRVMVTGGEDKK 41 <u>VNLWAVGKONCIISLS</u>GHTSPVDSV<u>KFNSSEELVVAG</u>SQS 81 GTMKIYDLEPAKIVRTLTGHRNSIRCMDFHPFGEFVASGS 121 TDTNVKLWDVRRKGCIYTYKGHSDQVNMIKFSPDGKWLVT 161 ASEDTTIKLWDLTMGKLFQEFKNHTGGVTGIEFHPNEFLL 201 ASGSSDRTVQFWDLETFQLVSSTSPGASAVRSISFHPDGS 241 YLFCSSQDMLHAFGWEPIRCFDTFSVGWGKVADTVIASTQ 281 LIGASFNATNVSVYVADLSRMSTTGIAQEPQSQPSKTPSG 321 GAEEVPSKPLTASGRKNFVRERPHTTSSKQRQPDVKSEPE 361 ROSPTODEGVKDDDATDIKDPDSYAKIFSPKTRVDHSPER 401 NAOPFPAPLDVPGAOEPEPFKHPPKPAAAAAVAPVSRAPA 441 **PSASDWOPAOANPAPNRVPAATKPVPAQEVAPSRKPDPIS** 481 TIIPS<u>DRNKPANLDMDAFLPPAHAQQAPRVNA</u>PASR<u>KQSD</u> 521 SERIEGLRKGHDSMCQVLSSRHRNLDVVRAIWTAGDAKTS 561 <u>VESVVNM</u>KDQAILVDILNIMLLKKSLWNLDMCVVVLPRLK 601 ELLSSKYENYVHTSCACLKLILKNFTSLFNQNIKCPPSGI 641 <u>DITREERYNK</u>CSKCYSYLIATRGYVEEKQHVSGKLGSSFR 681 ELHLLLDQLE

FIG. 2A

```
KRAWKLOELVAHSSNVNCLALGPMSGRVMVTGGEDKKVNLWA
KTAWKLOEIVAHASNVSSLVLGKASGRLLATGGDDCRVNLWS
KTASELKILYGHSGPVYGASFSP.DRNYLLSSSEDGTVRLWS
ASGDELHTLEGHTDWVRAVAFSP.DGALLASGSDDATVRLWD
Sp p80
Hs p80
                       8
                  531
Hs TFIID
                   489
Tc PkwA
                          VGKONCIISLSGHTSPVDSVKFNSSEELVVAGSOSGTMKIYD
INKPNCIMSLTGHTSPVESVRLNTPEELIVAGSOSGSIRVWD
LOTFTCLVGYKGHNYPVWDTOFSPYGYYFVSGGHDRVARLWA
VAAAEERAVFEGHTHYVLDIAFSPDGSMVASGSRDGTARLWN
Sp p80
                     46
Hs p80
Hs TFIID
                  572
Tc PkwA
                   530
                           LEPAKIVRTLTGHRNSIRCMDFHPFGEFVASGSTDTNVKLWD
LEAAKILRTLMGLKANICSLDFHPYGEFVASGSQDTNIKLWD
TDHYQFLRIFAGHLADVNCTRFHPNSNYVATGSADRTVRLWD
Sp p80
                     88
                     92
Hs p80
Hs TFIID
                  614
                           VATGTEHAVLKGHTDYVYAVAFSPDGSMVASGSRDGTIRLWD
Tc PkwA
                          VRRKGCIYTYKGHSDQVNMIKFSPDGKWLVTASEDTTIKLWDIRRKGCVFRYRGHSQAVRCLRFSPDGKWLASAADDHTVKLWDVLNGNCVRIFTGHKGPIHSLTFSPNGRFLATGATDGRVLLWDVATGKERDVLQAPAENVVSLAFSPDGSMLVHG.SDSTVHLWD
Sp p80
     p80
                   134
Hs
     TFIID
                  656
Hs
Tc PkwA
                   614
                          LTMGKLFOEFKNHTGGVTGIEFHPNEFLLASGSSDRTVOFWD
LTAGKMMSEFFGHTGPVNVVEFHPNEYLLASGSSDGTIRFWD
IGHGLMVGELKGHTDTVCSLRFSRDGEILASGSMDNTVRLWD
VASGEALHTFEGHTDWVRAVAFSPDGALLASGSDDRTIRLWD
Sp p80
                   172
Hs p80
                   176
                  698
Hs TFIID
Tc PkwA
                   655
                           LETFOLVSSTSPGASAVRSISFHPDGSYLFCSSODMLHAFGWE
LEKFOVVSRIEGEPGPVRSVLFNPDGCCLYSGCODSLRVYGWE
AIKAFEDLETDDFTTATGHINLPENSQELLLGTY..MTKSTPV
Sp p80
                   214
     p80
Hs
                   218
Hs TFIID
                 740
Tc PkwA
                   697 VAAQEEHTTLECHTEPVHSVAFHPEGTTLASASEDGTIRIWPI
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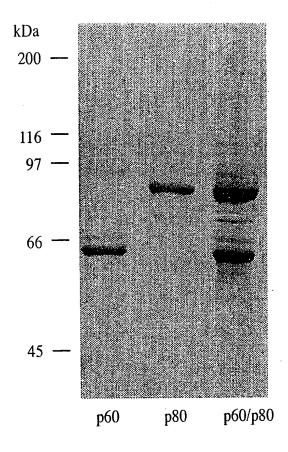


FIG. 3A

FIG. 3B

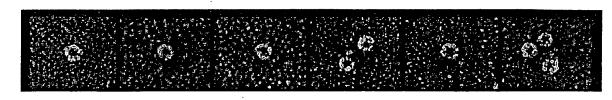


FIG. 4A

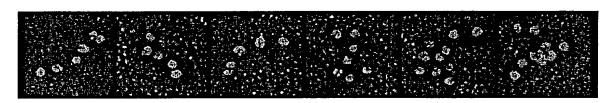


FIG. 4B

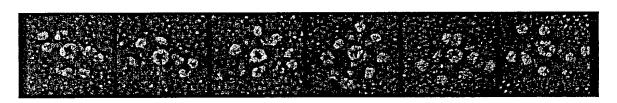


FIG. 4C

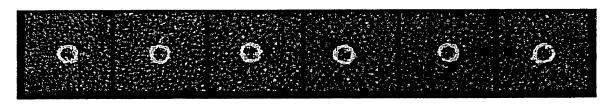


FIG. 4D

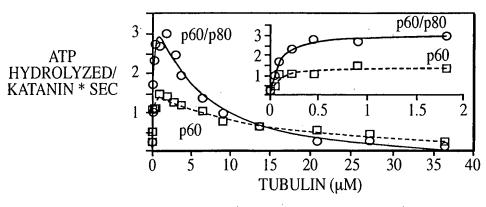


FIG. 5A

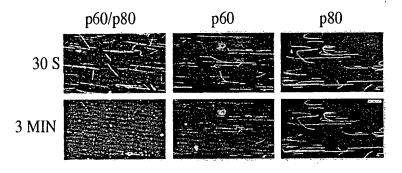


FIG. 5B

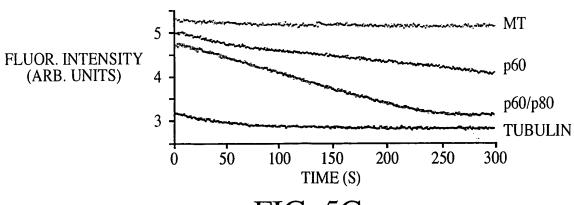


FIG. 5C

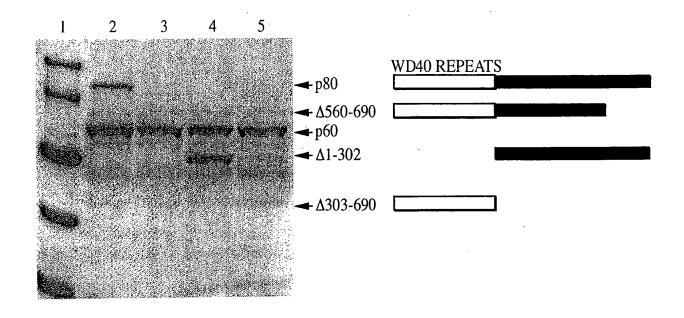


FIG. 6

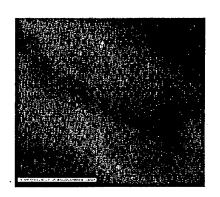


FIG. 7A

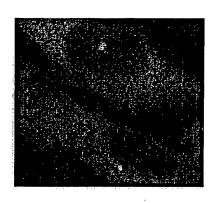


FIG. 7B

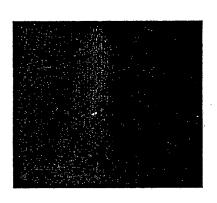


FIG. 7C

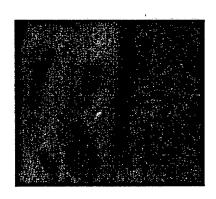


FIG. 7D

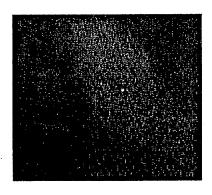


FIG. 7E

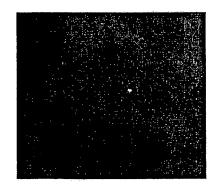


FIG. 7F